

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Inventor(s): ELLIS, III
Atty.Dkt: 81498/0305710
Appln. No.: /
Filed: September 17, 2003
FOR: GLOBAL NETWORK COMPUTERS FOR SHARED PROCESSING

Group Art Unit: Unknown
Examiner: Unknown

Date: September 17, 2003

**IDS LETTER CITING APPLICATION(S)
AND ATTACHING PTO-1449/DOCUMENTS**

The Examiner's attention is directed to the following application(s) of:

Examiner's Initials*	FIRST INVENTOR (Last Name Only)	APPLICATION NO. & Filing Date	ENCLOSED
	ELLIS, III ELLIS, III	09/085,755 08/980,058	<input type="checkbox"/> Spec <input type="checkbox"/> Drawings <input type="checkbox"/> Current Claims <input type="checkbox"/> Other
	ELLIS, III	09/571,558	<input type="checkbox"/> Spec <input type="checkbox"/> Drawings <input type="checkbox"/> Current Claims <input type="checkbox"/> Other
	ELLIS, III ELLIS, III	09/320,660 09/315,026	<input type="checkbox"/> Spec <input type="checkbox"/> Drawings <input type="checkbox"/> Current Claims <input type="checkbox"/> Other

PLEASE DO NOT PRINT the above information on the patent which results from the subject application.

Consideration of each listed application is earnestly solicited since unpublished patent applications are contemplated as IDS material; see the exception in Rule 98(a)(2)(iii) and note the penultimate sentence of MPEP 609.

Further, in keeping with MPEP 609, Subsec. C(2), 2nd para., line 10 to end of the paragraph (especially note lines 18-25) **PLEASE RETURN A COPY OF THIS LETTER** with the Examiner's initials adjacent each above listing so that applicant will know that each listed application has been considered as required by PTO policy. Thanks.

Secondly, please consider each enclosed document which is listed on the attached Form PTO-1449 and return a copy of that form with the Examiner's initials adjacent each citation. Thanks again.

Respectfully submitted


Dale S. Lazar

*The Examiner's initials adjacent a citation indicates he/she has considered the cited application relative to the subject application.

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M#	Client Ref.
						0305710	GNC8US
					Applicant: ELLIS, III		
					Appln. No.:		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date: September 17, 2003		
					Examiner:		Group Art Unit:
Date: September 17, 2003		Page	1	of	6		
U.S. PATENT DOCUMENTS							
Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,245,306	01/1981	Besemer et al.			
	BR	4,827,508	05/1989	SHEAR			
	CR	4,918,596	04/1990	NAKANO			
	DR	4,969,092	11/1990	SHORTER			
	ER	5,025,369	06/1991	SCHWARTZ			
	FR	5,031,089	07/1991	LIU et al.			
	GR	5,103,393	04/1992	HARRIS et al.			
	HR	5,109,329	04/1992	STRELIOFF			
	IR	5,109,512	04/1992	BAHR et al.			
	JR	5,136,708	08/1992	LAPOURTE et al.			
	KR	5,155,808	10/1992	SHIMIZU			
	LR	5,237,507	08/1993	CHASEK			
	MR	5,291,494	03/1994	BRUCKERT			
	NR	5,341,477	08/1994	PITKIN et al.			
	OR	5,349,682	09/1994	ROSENBERRY			
	PR	5,357,632	10/1994	PIAN et al.			
	QR	5,361,362	11/1994	BENKESER et al			
	RR	5,381,534	01/1995	SHI			
	SR	5,388,211	02/1995	HORNBUCKLE			
	TR	5,392,400	02/1995	BERKOWITZ et al.			
	UR	5,410,651	04/1995	SEKIZAWA et al.			
	VR	5,426,741	06/1995	BUTTS, JR. et al.			
	WR	5,428,783	06/1995	LAKE			
	XR	5,457,797	10/1995	BUTTERWORTH et al.			
	YR	5,515,511	05/1996	NGUYEN et al.			
	ZR	5,522,070	05/1994	SUMIMOTO			
	AAR	5,535,408	07/1996	HILLIS			
	BBR	5,546,594	08/1996	WAZUMI			
	CCR	5,550,984	08/1996	GELB			
	DDR	5,568,375	10/1996	RAUSCH			
	EER	5,572,643	11/1996	JUDSON			
	FFR	5,586,121	12/1996	MOURA et al.			
	GGR	5,590,284	12/1996	CROSETTO			
	HHR	5,592,376	01/1997	HODROFF			
	IIR	5,594,491	01/1997	HODGE et al.			
Examiner					Date Considered:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M#	Client Ref.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					0305710		GNC8US
					Applicant: ELLIS, III		
					Appln. No.:		
					Filing Date: September 17, 2003		
Date: September 17, 2003	Page	2	of	6	Examiner: D. DINH		Group Art Unit: 2153
U.S. PATENT DOCUMENTS							
Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)		Class	Sub Class	Filing Date (if appropriate)
	JJR	5,608,448	03/1997 SMORAL et al.				
	KKR	5,615,127	03/1997 BEATTY et al.				
	LLR	5,666,484	09/1997 ORIMO et al.				
	MMR	5,678,028	10/1997 BERSHTEYN et al.				
	NNR	5,680,548	10/1997 TRUGMAN				
	OOR	5,696,902	12/1997 LUCLERCQ et al.				
	PPR	5,710,884	01/1998 DEDRICK				
	QQR	5,748,489	05/1998 BEATTY et al.				
	RRR	5,758,077	05/1998 DANAHY et al.				
	SSR	5,758,345	05/1998 WANG				
	TTR	5,761,507	06/1998 GOVETT				
	UUR	5,774,668	06/1998 CHOQUIER et al.				
	VVR	5,790,431	08/1998 AHRENS, Jr. et al.				
	WWI	5,793,968	08/1998 GREGERSON et al.				
	XXR	5,794,059	08/1998 BARKER et al.				
	YYR	5,815,665	09/1998 TEPER et al.				
	ZZR	5,815,793	09/1998 FERGUSON				
	AAA	5,826,014	10/1998 COLEY				
	BBB	5,828,833	10/1998 BELVILLE				
	CCC	5,844,594	12/1998 FERGUSON				
	DDD	5,845,074	12/1998 KOBATA				
	EEE	5,850,449	12/1998 MCMANIS				
	FFFF	5,864,738	01/1999 KESSLER et al.				
	GGG	5,881,284	03/1999 KUBO				
	HHH	5,588,003	12/1996 OHBA et al.				
	IIIR	5,889,989	03/1999 ROBERTAZZI et al.				
	JJJR	5,909,681	06/1999 PASSERA et al.				
	KKK	5,917,629	06/1999 HORTENSIUS et al.				
	LLLR	5,930,511	07/1999 HINSLEY				
	MMM	5,964,832	10/1999 KISOR				
	NNN	5,978,829	11/1999 CHUNG et al.				
	OOO	6,052,555	04/2000 FERGUSON				
	PPPI	6,098,091	08/2000 KISOR				
	QQQ	6,112,225	08/2000 KRAFT et al.				
	RRR	6,112,243	08/2000 DOWNS et al.				
	SSSI	6,115,698	09/2000 TUCK et al.				
Examiner					Date Considered:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M#	Client Ref.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					0305710		GNC8US	
					Applicant: ELLIS, III			
					Appln. No.:			
					Filing Date: September 17, 2003			
Date: September 17, 2003		Page	3	of	6	Examiner: D. DINH		Group Art Unit: 2153

FOREIGN PATENT DOCUMENTS							English Abstract	Translation Readily Available
		Document Number	Date MM/YYYY	Country	Inventor Name			
	AR	WO 98/26366	06/1998	WIPO	Ellis			
	BR	0 853 279	07/1998	EUROPE	Nagaratina et al.			
	CR	WO 94/01964	01/1994	WIPO	Craig			
	DR	WO 95/01060	01/1995	WIPO	Kramer et al.			
	ER							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)								
	FR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257						
	GR	"Means for Implementing Optical Interconnections for Parellel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310						
	HR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553						
	IR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8						
	JR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5 th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32						
	KR	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3 rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994						
	LR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh AcM SIGOPS European Workshop, September 1996, 8 pages						
	MR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129						
	NR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14 th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995						
	OR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16 th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996						
	PR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5 th Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990						
	QR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37						
	RR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webpace/doc/hpdc5/paper, June 10, 1996, 11 pages						

Examiner	Date Considered:
----------	------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M#	Client Ref.	
						0305710	GNC8US	
					Applicant: ELLIS, III			
					Appln. No.:			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date: September 17, 2003			
Date: September 17, 2003		Page	4	of	6	Examiner: D. DINH		Group Art Unit: 2153
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)								
	AR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5 th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages						
	BR	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21						
	CR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49						
	DR	Hayes, "Computing Science: Collective Wisdom," American Scientist, March-April 1998, pages 1-8						
	ER	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109						
	FR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4 th Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995						
	GR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobb's Journal, Aug. 1995, pp 62-66, 102-105						
	HR	Lindley, C., "JPEG-Like Image Compression, Part I," Dr. Dobb's Journal, Jul. 1995, pp. 50-58, 101-102						
	IR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8 th Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998						
	JR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218						
	KR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3 rd Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996						
	LR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36						
	MR	Nowatzky et al., "Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems," Proceedings of the Annual Symposium on Computer Architecture, ACM, volum 22, June 1995, pages 106-115, XP 000687800						
	NR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110						
	OR	Ozer, J., "Why MPEG is Hot," PC Magazine, Apr. 11, 1995, pp. 130-131						
	PR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp 445-449						
	QR	Qiao et al., "Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522						
	RR	Rincon et al., "The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3						
	SR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32						
	TR	Sakano et al., "A Three-Dimensional Mesh Multiprocessor System Using Board-to-Board Free-Space Optical Interconnects: COSINE-III," IEEE, 1993, pages 278-283, XP 000463415						
Examiner					Date Considered:			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.								

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M# 0305710	Client Ref. GNC8US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant: ELLIS, III		
					Appln. No.:		
					Filing Date: September 17, 2003		
					Examiner: D. DINH Group Art Unit: 2153		
Date: September 17, 2003 Page 5 of 6					OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)		
AR	Schroeder, E., "New offerings buoy MPEG as video standard," Desktop Computing, PC Week, May 8, 1995, pp. 1&29						
BR	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time!", Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995						
CR	Shiuan, J. et al., "Client-Server Based Ray-Tracer Using ASTRA: An Asynchronous RPC Mechanism," Computer Communications, vol. 19, No. 5, pp. 445-455, May 1996						
DR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368						
ER	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp 1444-1458, Nov. 1989						
FR	Vetter, R., "ATM Concepts, Architectures, and Protocols," Communications of the ACM, Feb. 1995; vol. 38, No. 2, pp. 30-38, 109						
GR	Vetter, R., et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995; vol. 38, No. 2, pp. 28-29						
HR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500						
IR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995						
JR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994						
KR	HARE et al., "Master the Complexities of Network Security", Internet Firewalls and Network Security, Second Edition, 1996, pgs. 325-350 and 516						
LR	FIELDS, Scott, "Hunting For Wasted Computing Power - New Software for Computing Networks Puts Idle PC's to Work", 1993 University of Wisconsin-Madison. Internet: http://www.cs.wise.edu/condor/doc/Wiseldes.html						
MR	N/A, "Aliens on your desktop", The Economist, April 18, 1998, p. 78.						
NR	Mitzi Waltz, "Make'em Pay: Billing Net Usage," MacWeek, v6 n27 p24(2), July 27, 1992 (Dialog fulltext).						
OR	"The Economies of Network Billing: Network Billing and Monitoring Systems Can Improve Efficiency and Cut Costs," IBM System User, v14 n11 p53(1), Nov. 1993 (Dialog fulltext).						
PR	"Let Your Computer Make Money While You Sleep," Newsbyte, Aug. 16, 1996 (Dialog fulltext).						
QR	Brown et al., Special Edition Using Netscape™ 2 Second Edition, Que Corporation, 1995, Ch. 1-2						
RR	Gilder, "Angst and Awe on the Internet by George Gilder", Forbes ASAP, December 4, 1995						
Examiner					Date Considered:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office					Atty. Dkt. No.	M#	Client Ref.
						0305710	GNC8US
					Applicant: ELLIS, III		
					Appln. No.:		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date: September 17, 2003		
Date: September 17, 2003		Page	6	of	6	Examiner: D. DINH	Group Art Unit: 2153
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)							
	SR	Tandiary, et al., "Batrun: Utilizing Idle Workstations for Large-Scale Computing", Summer 1996, pp. 41-48					
	TR	Brisbin, "Shopping for Internet Access", MacUser, December, 1994, v. 10, p. 133(2)					
	UR	Gilder, George, "The Bandwidth Tidal Wave", Forbes ASAP, December 5, 1994					
	VR	N/A, "Special Report - Wonder Chips", Business Week, July 4, 1994					
	WR	N/A, "Supercomputers Divide and Conquer", The Economist, December 14, 1996					
	XR	N/A, "Cyber View World Wide Widgets", Scientific American, May, 1997, p. 48					
	YR	Gibbs, "Bandwidth Unlimited", Scientific American, January, 1997, p. 41					
	ZR	Markoff, "A New Standard to Govern PC's With Multiple Chips, Work Stations Mimicking Supercomputers", The New York Times, October 28, 1997					
	AAR	Geoffrey C. Fox and Wojtek Furmanski, Petaops and Exaops: Supercomputing on the Web, "IEEE INTERNET COMPUTING," Vol. 1, Number 2 March-April 1997, pgs. 38-46.					
	BBR	Kivanc Dincer and Geoffrey C. Fox, Building a World-Wide Virtual Machine Based on Web and HPCC Technologies, "STUDENT TECHNICAL PAPERS", http://www.supercomp.org/sc96/proceedings/SC96PROC/DINCER/INDEX.HTM pgs. 1-18.					
	CCR	M. Hobbs and A. Goscinski, A Remote Process Creation and Execution Facility Supporting Parallel Execution on Distributed Systems, "IEEE 1996," pgs. 92-99.					
	DDR	Taisuke Boku, Hiroshi Nakamura, Kisaburo Nakazawa, and Yoichi Iwasaki, The Architecture of Massively Parallel Processor CP-PACS, "IEEE 1997", pgs. 31-40.					
	EER	Yoon-Hwa Choi and Yu-Seok Kim, A Diagnostic Network for Massively Parallel Processing Systems, "IEEE 1994," pgs. 348-353.					
	FFR	Steven M. Bellovin and William R. Cheswick, Network Firewalls, "IEEE Communications Magazine 1994," pgs. 5-57.					
	GGR	Weiyi et al., "Java-to-Go - Itinerative Computing Using Java," September 10, 1996 http://ptolemy.eecs.berkeley.edu/dgm/javatools/java-to-go/					
	HHR	Sullivan et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers." http://setiathome.ss/.berkeley.edu/woody_paper.htm/					
Examiner					Date Considered:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							